



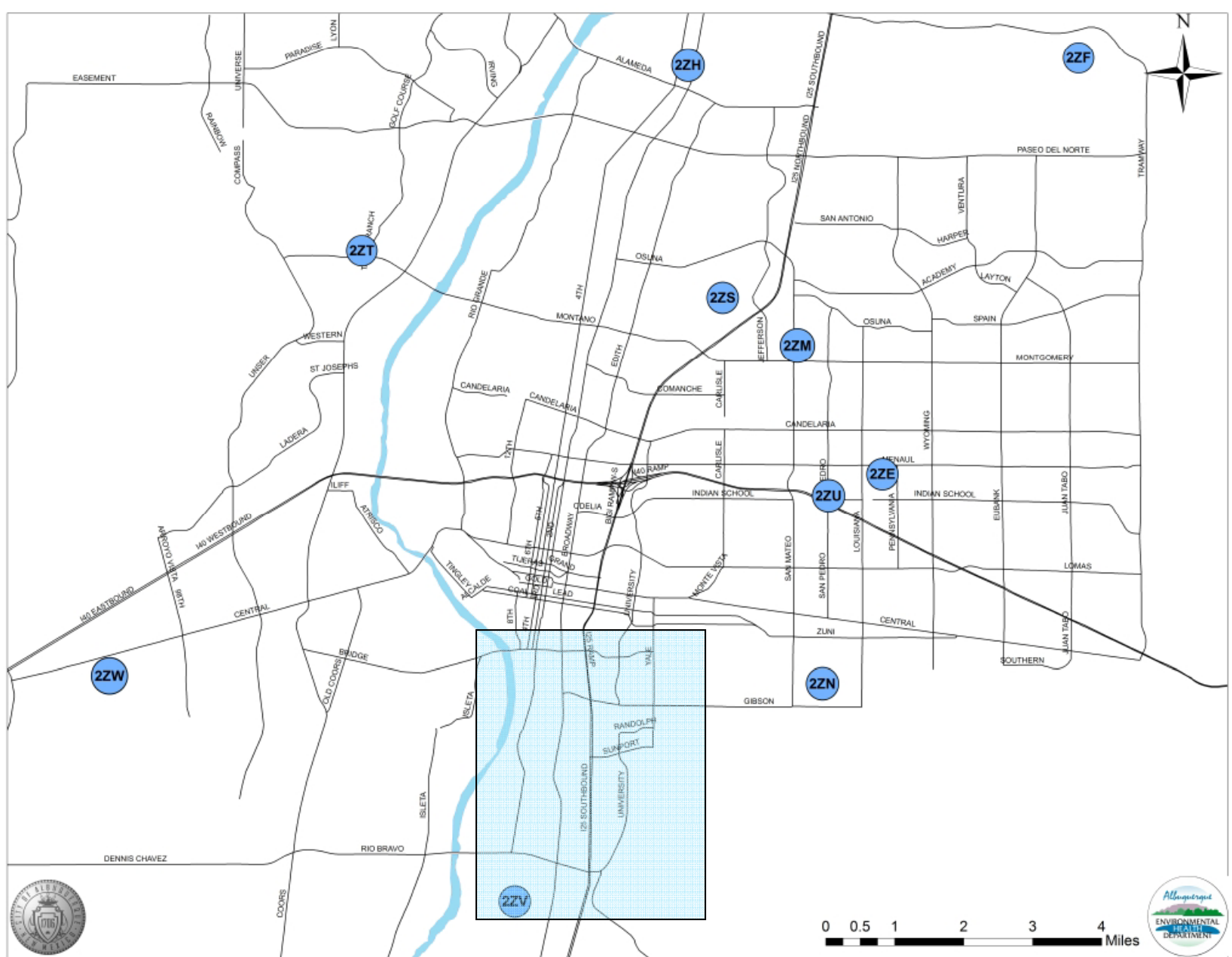
Particulate Matter

A Review of April 5, 2010 & April 29, 2010 Fire and Wind Events

By
Fabian Macias
Air Quality Assurance Manager
Albuquerque Environmental Health Department

Presented at May 12, 2010
A/BAQCB Meeting

2010 Air Monitoring Network Map



April 5, 2010 Bridge Fire Area and South Valley Station Locations

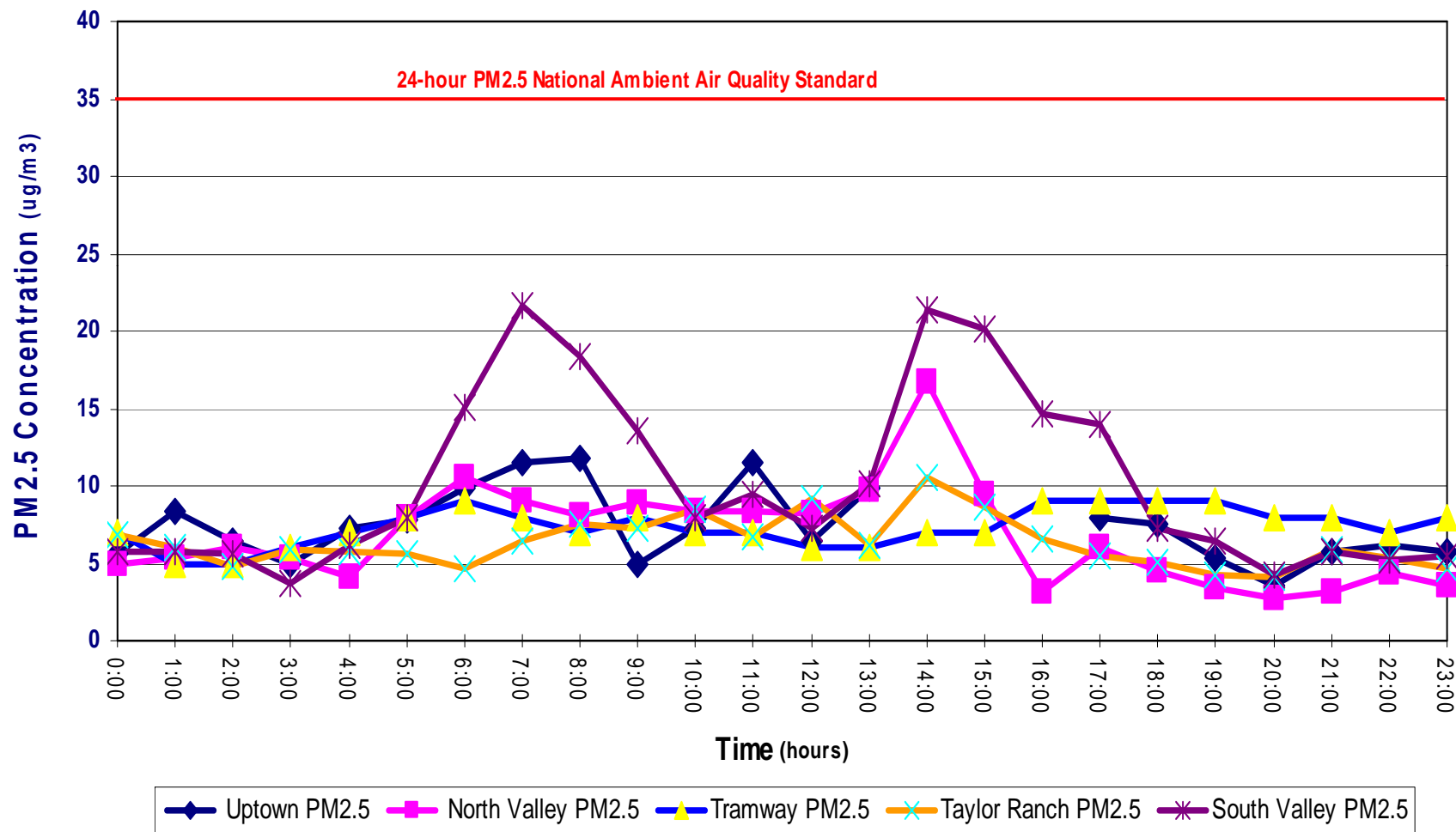


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Continuous PM2.5 (Fine Particulate)

City of Albuquerque Ambient Air Monitoring Network

April 5, 2010 (Standard Time) - NON-QA'd Data

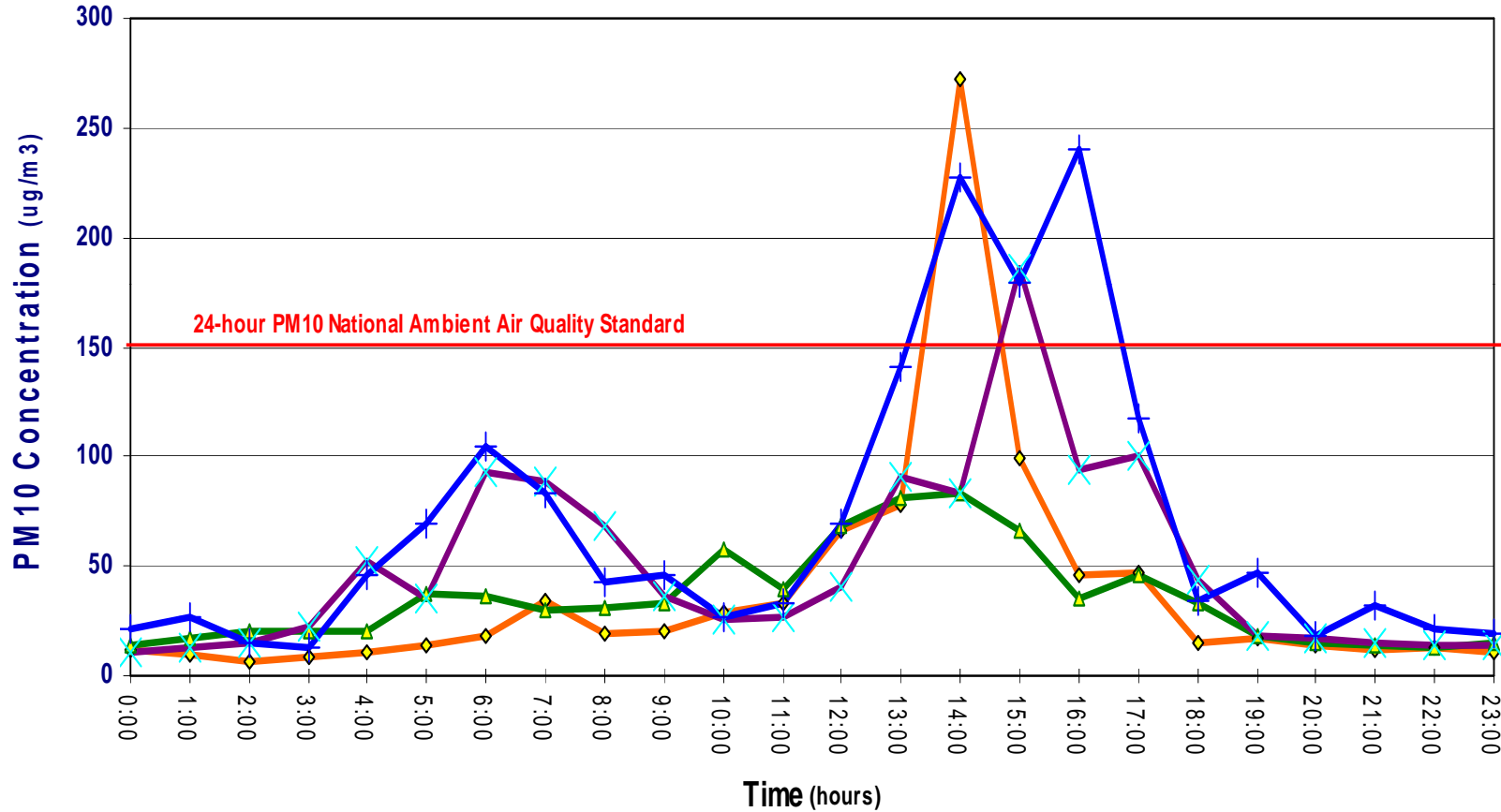


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Continuous PM10 (Coarse Particulate)

City of Albuquerque Ambient Air Monitoring Network

April 5, 2010 (Standard Time) - NON-QA'd Data



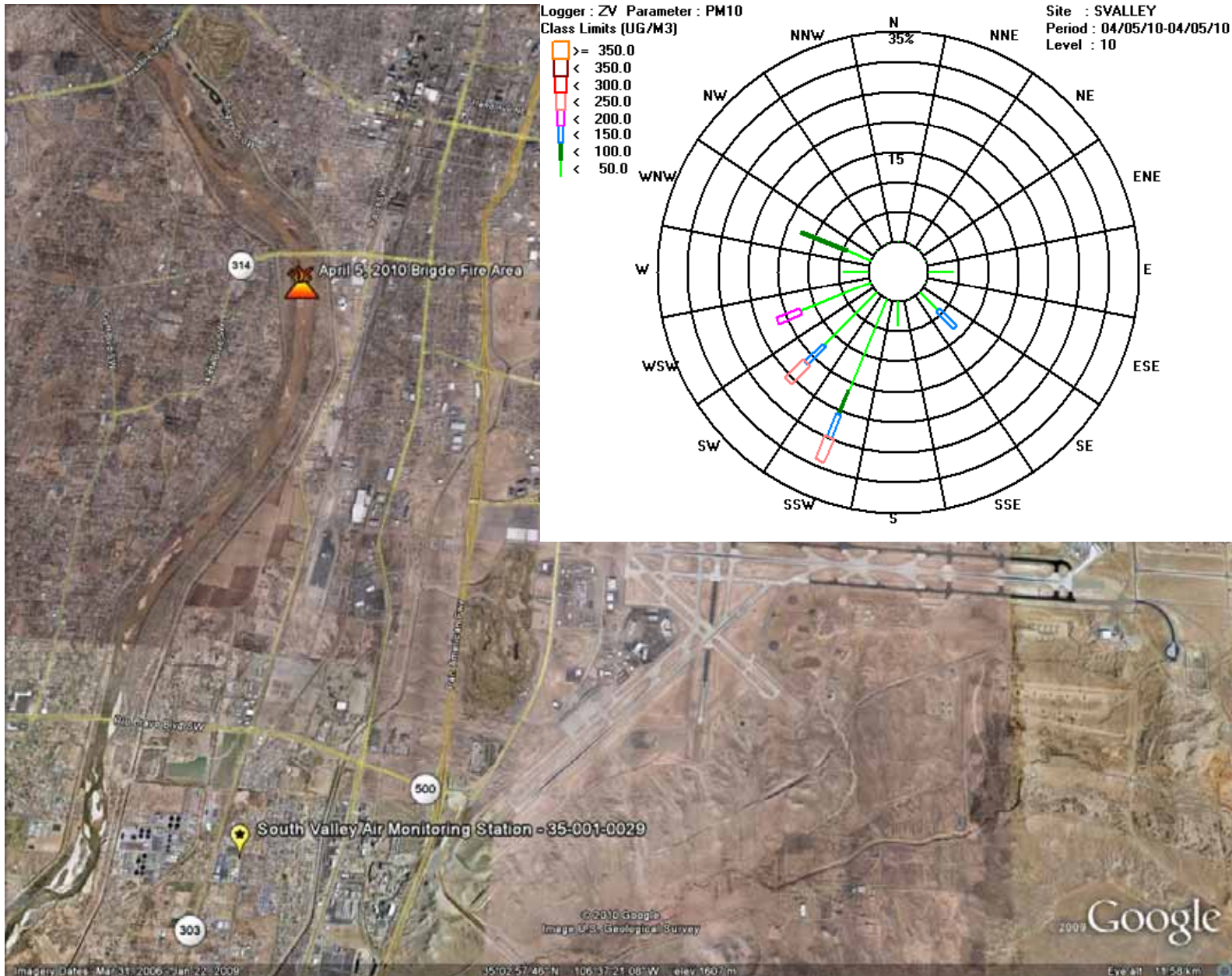
Westside PM10

North Valley PM10

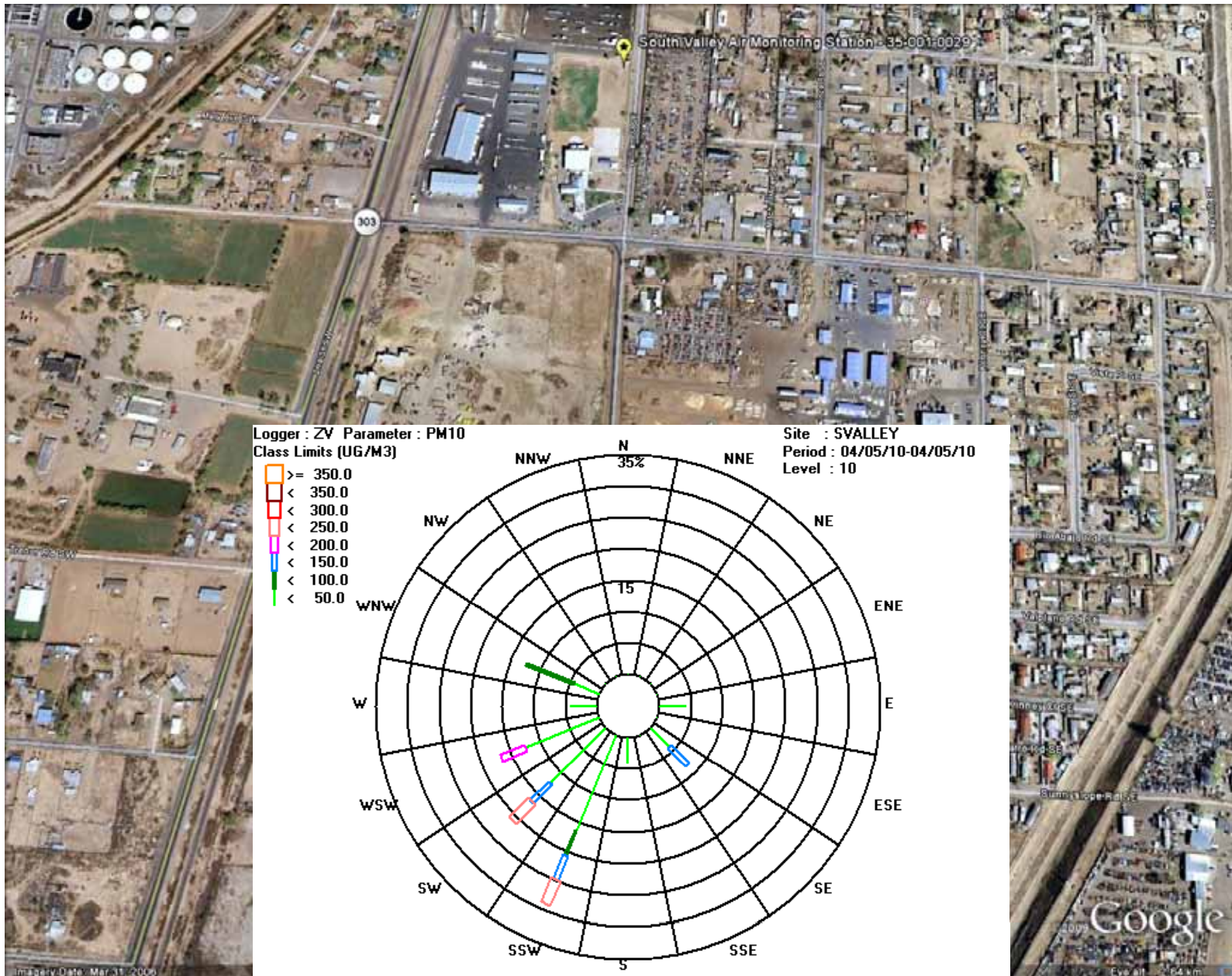
Singer PM10

South Valley PM10

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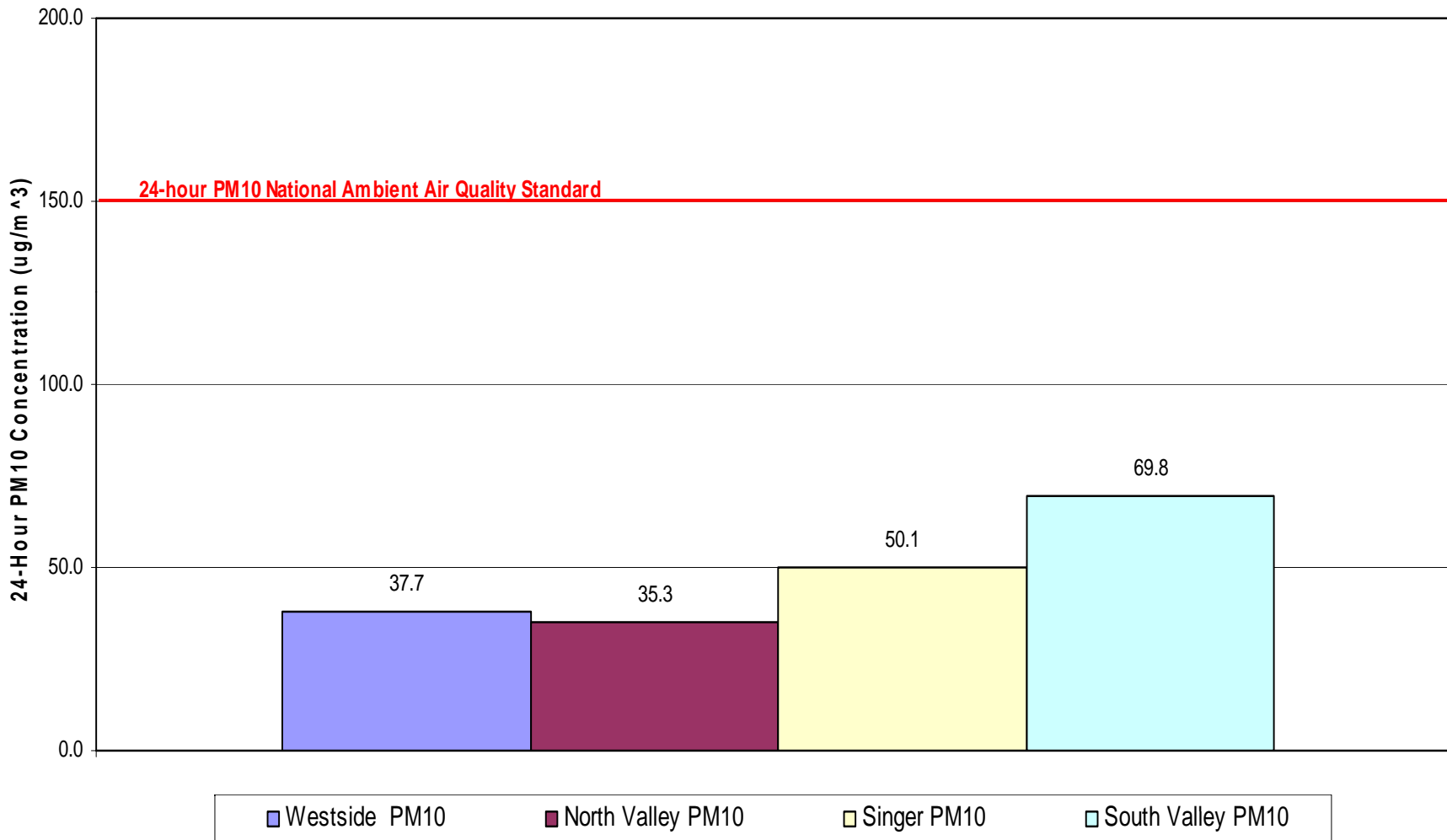
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24-hour PM10 Concentration

City of Albuquerque Ambient Air Monitoring Network
April 5, 2010 (Standard Time) - NON-QA'd Data



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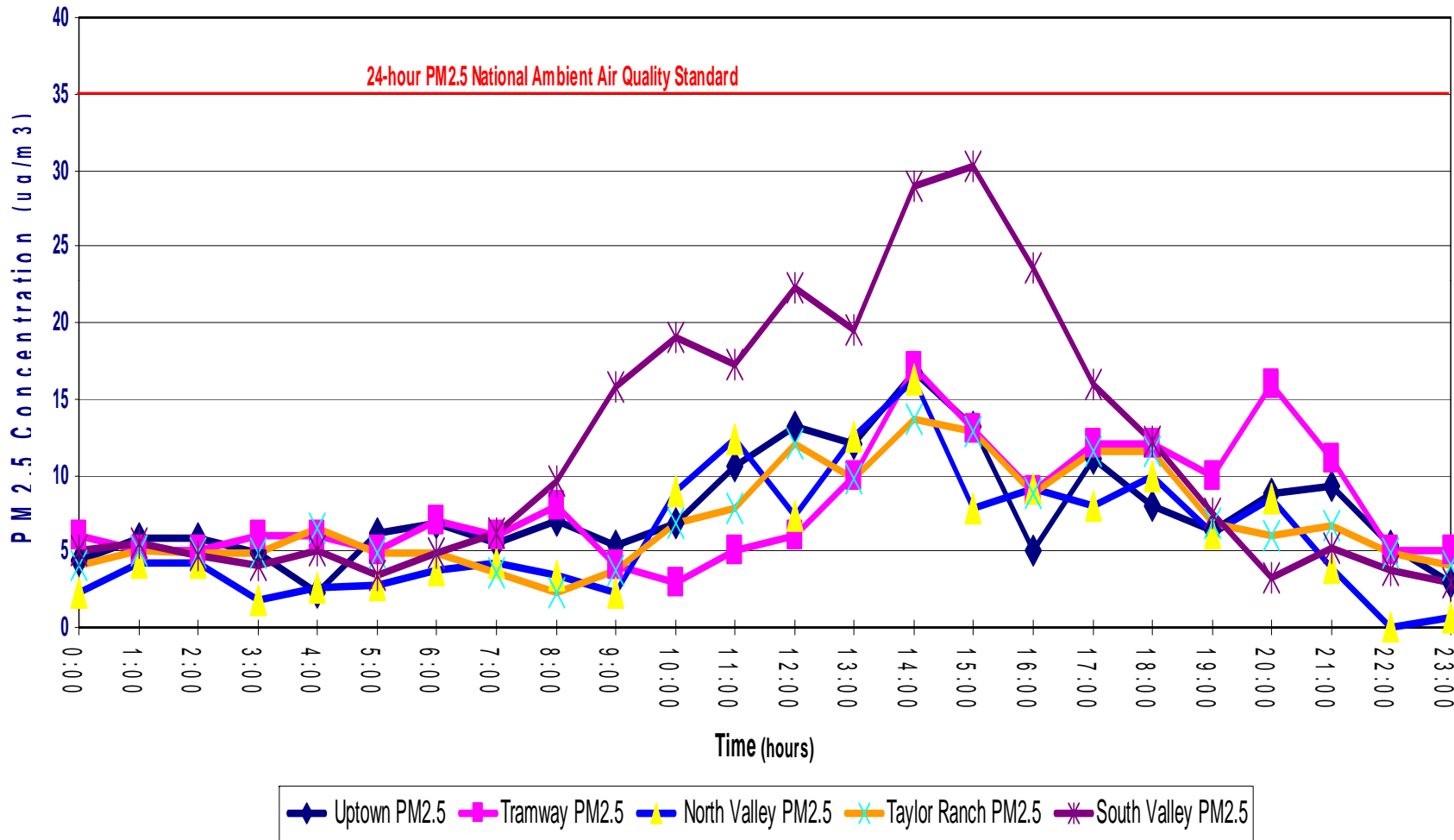
April 29, 2010
High Wind Event

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Continuous PM2.5 (Fine Particulate)

City of Albuquerque Ambient Air Monitoring Network

April 29, 2010 (Standard Time) - NON-QA'd Data



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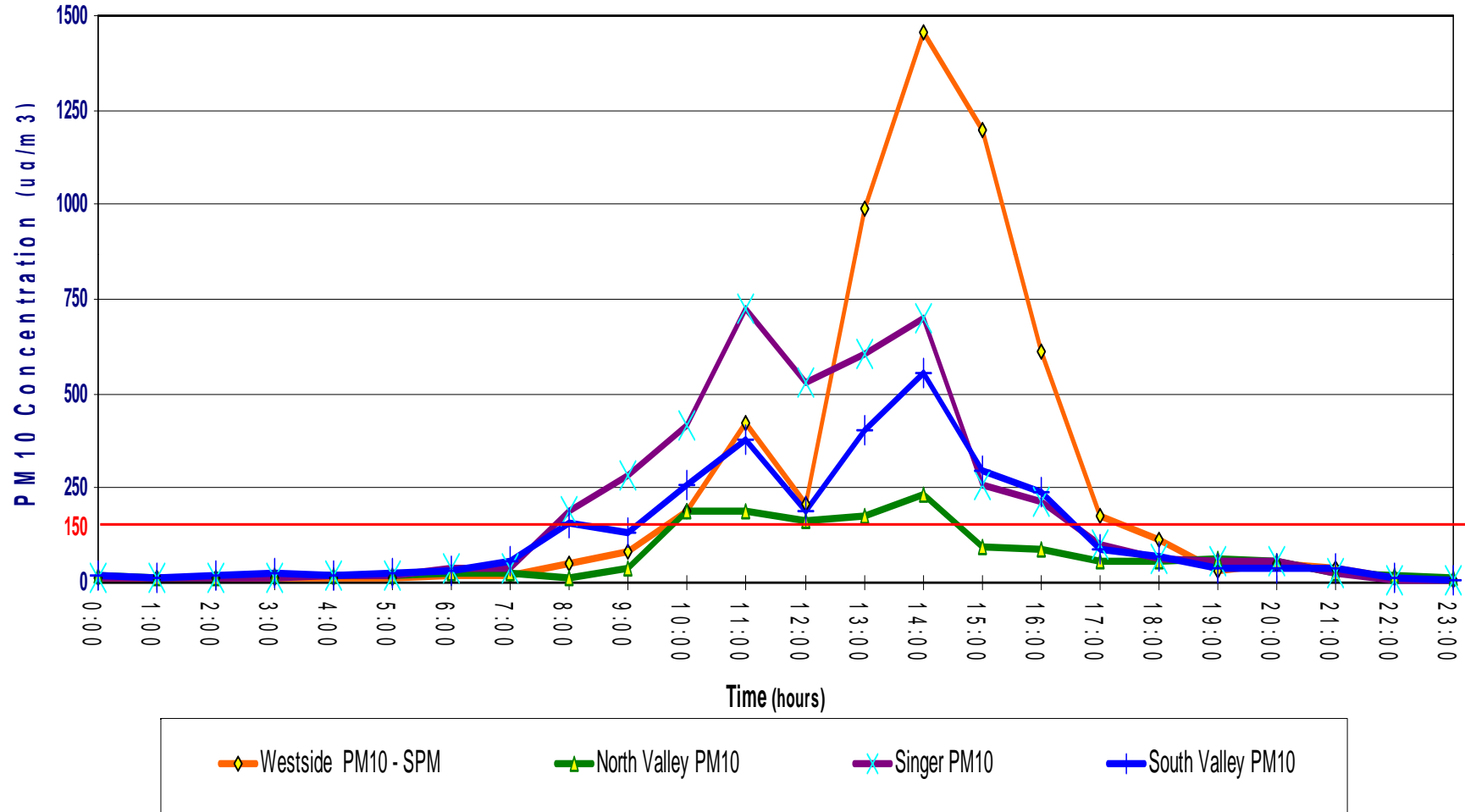
Continuous PM10 (Coarse Particulate)

City of Albuquerque Ambient Air Monitoring Network

April 29, 2010 (Standard Time) - NON-QA'd Data



24-hour PM10 National Ambient Air Quality Standard is 150 ug/m³



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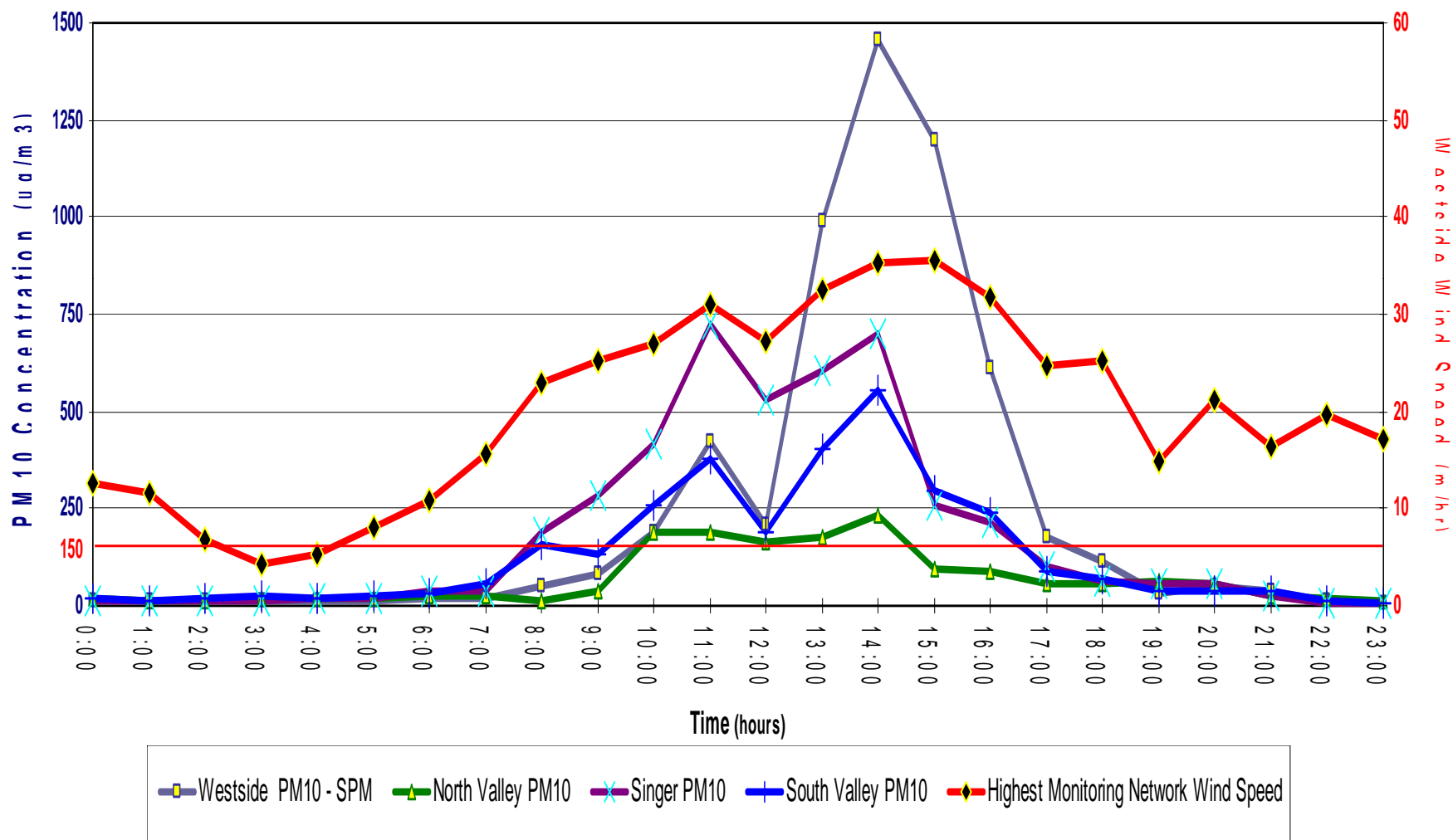
Continuous PM10 (Coarse Particulate)

City of Albuquerque Ambient Air Monitoring Network

April 29, 2010 (Standard Time) - NON-QA'd Data



24-hour PM10 National Ambient Air Quality Standard is 150 $\mu\text{g}/\text{m}^3$

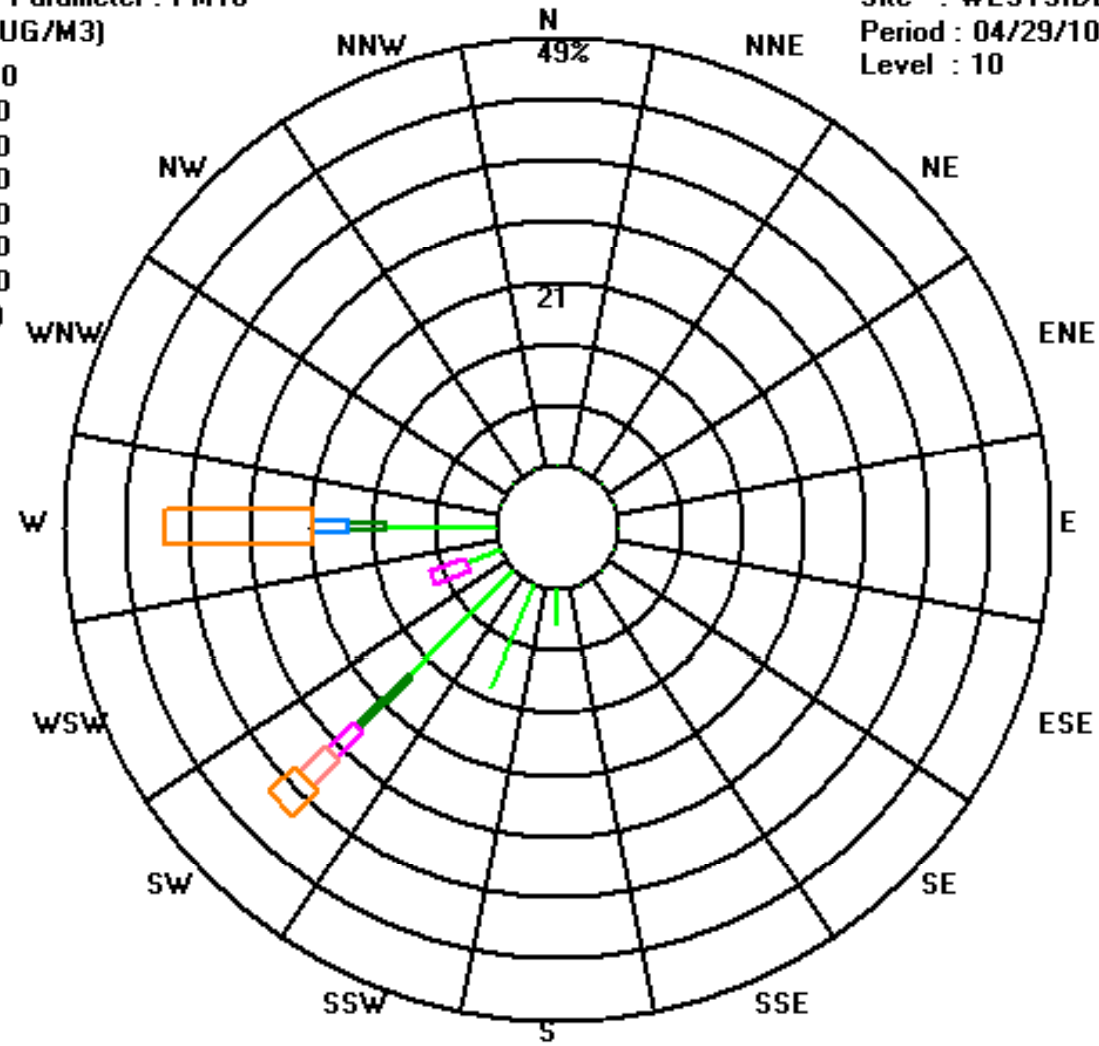


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Logger : ZW Parameter : PM10
Class Limits (UG/M3)

- >= 350.0
- < 350.0
- < 300.0
- < 250.0
- < 200.0
- < 150.0
- < 100.0
- < 50.0

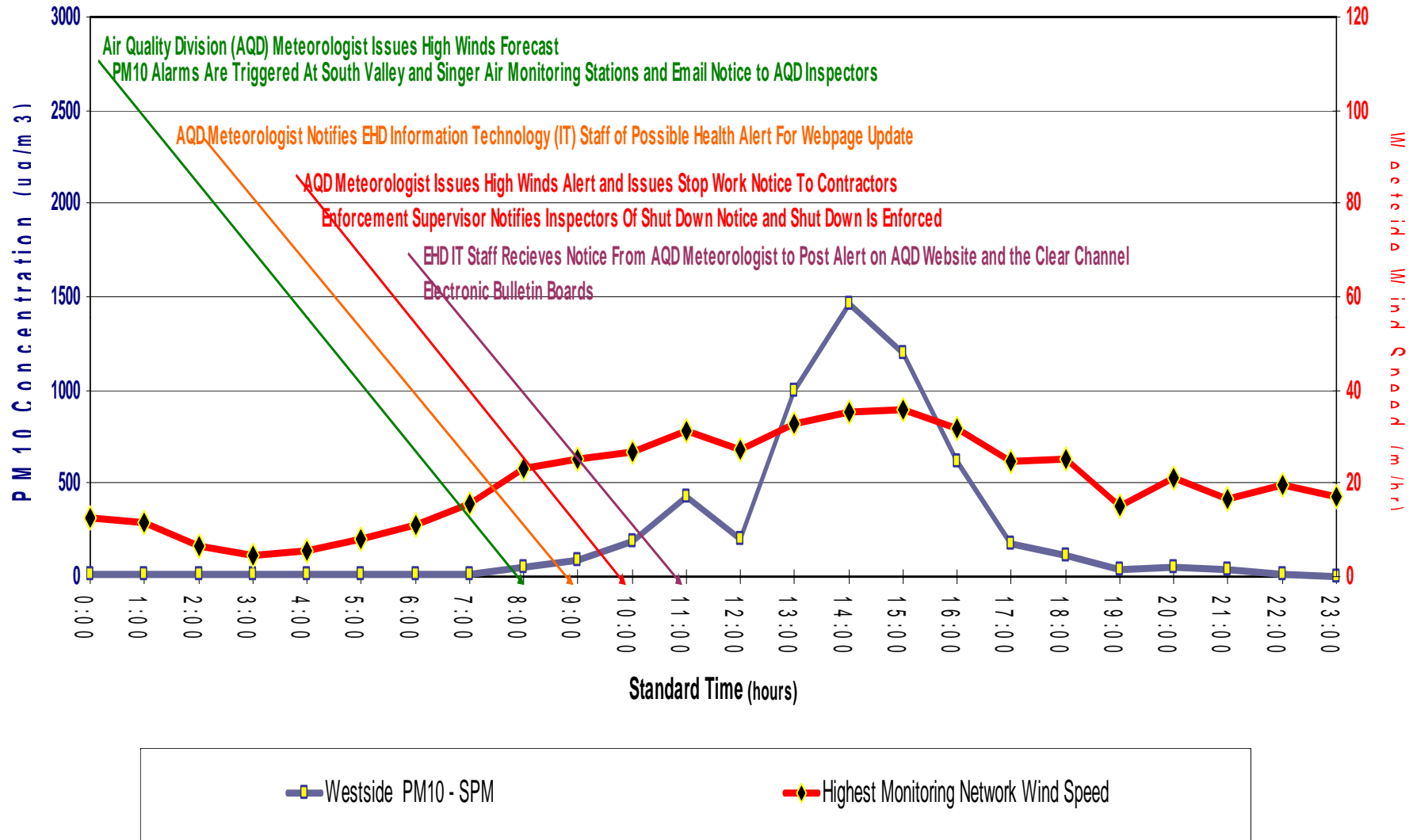
Site : WESTSIDE
Period : 04/29/10-04/29/10
Level : 10



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Environmental Health Department & Air Quality Division April 29, 2010

High Wind Event Coordination and Notification



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Data Verification and Documentation Process

- High wind event data meeting the EPA criteria is flagged by AQD-Quality Assurance in the EPA Air Quality Subsystem (AQS).
- Our documentation details include, but are not limited to:
 - High wind data and particulate matter data measurements that particulate matter values exceeded the standard;
 - Notices that contractors and business owners were instructed to stop all soil disturbance activities. Includes all 311 complaints and associated enforcement activity;
 - Notices that the public was informed that a high wind event is or will occur. Showing who was informed.
- AQD requests concurrence from EPA Region 6, that the data remain in the AQS database with the appropriate exceptional event flag.
- If EPA accepts the documentation, then the measurements are excluded from attainment determination, but the data remains in EPA's AQS.



Discussion

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